

Community : _____

530 FLOOD PROTECTION

532 Impact Adjustment:

a. Option 1.

Number of protected non-repetitive loss buildings in the regulatory floodplain: _____

Number of protected non-Severe Repetitive Loss buildings ____ x 2 = _____

Number of protected Severe Repetitive Loss buildings ____ x 3 = _____ Add

the above lines _____

rPB = 0.15 x the total of the above _____ = _____

b. Option 2. $rPB = \frac{100 \times PB}{bSF}$ _____ = _____

533 Credit Calculation:

28 x rPB _____ = _____

c530 = value above rounded to the nearest whole number: c530 = _____

Enter this value on AW-720-1.

534 Credit Documentation:

- ____ a. and b. Elevation certificates, completed AW-530-3, or other documentation that shows that each protection project meets this activity's prerequisites and shows the type of protection measure and protection level for each retrofitted building.
- ____ c. A map showing the location of all protected buildings for which credit is being applied.
- ____ d. Impact Adjustment Option 2 – Calculations showing the number of buildings in the SFHA (bSF).
- ____ e. Either the non-repetitive loss protected buildings are _____ located within the SFHA OR _____ outside the SFHA and documentation is attached showing that floodplain regulations are in effect in the area outside the SFHA.

504 National Flood Insurance Reform Act of 1994:

- ____ No projects with CRS credit were funded with Flood Mitigation Assistance program funds.
- ____ Flood Mitigation Assistance program funds were used to finance the protection of _____ buildings which are on the list of buildings for CRS credit.

Comments:

Community : _____

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AW-340	Hazard Disclosure
AW-350	Flood Protection Information
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AW-430LD	Land Development Criteria
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AW-DB	Dunes and Beaches
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AW-TS	Tsunami Hazards
AW-UF	Uncertain Flow Path Hazards

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531 RETROFITTED BUILDINGS

If the building is a repetitive loss or Severe Repetitive Loss building, use ditto marks and enter the same address two or three times as appropriate.

[illegible]

Add the lines above: $PB = (TUI \times FPI_i) =$ _____

Add the total of each page to obtain (TUi x FPLi) for the value of PB.

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RETROFITTING WORKSHEET

This is an optional form that may be used to record CRS credit criteria for retrofitting projects that are not in a high hazard area and that do not need to be designed or approved by an engineer or architect. Elevated buildings should be documented with a FEMA elevation certificate.

Property Address: _____

Permit record. EITHER Permit # _____ Date of Permit: _____
OR

___ The project meets all requirements of the regulations currently in effect.

___ The project was completed after the effective date of the initial FIRM.

Building/project condition.

___ The building or project appears to be maintained.

Human intervention. EITHER:

___ The project does not require human intervention. OR

___ The project requires human intervention and there is adequate warning time.

Approximate duration of flood events: _____ hours/days.

High hazard area. EITHER:

___ The building is NOT located in a V Zone, floodway with velocity > 5 feet per second, or an area subject to special hazard. OR

___ The building is located in one of the high hazard areas and the design was certified by a licensed professional engineer or architect.

Dry floodproofing.

___ The project was designed by an engineer and the design accounts for interior drainage, seepage, and underdrainage. (TU = 0.6)

___ The project does not depend on human intervention to close openings; the project protects to a level less than 3 feet over the first floor; the design accounts for internal drainage, seepage, and underdrainage; and the building does not have a basement. (TU = 0.4)

___ There is no documentation of how openings, internal drainage, seepage, or underdrainage are handled. (TU = 0.2)

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Wet floodproofing.

- ☐ The project was designed by a licensed engineer or architect. (TU = 0.5)
- ☐ The project was not designed by a licensed engineer or architect. (TU = 0.3)
- ☐ The furnace, water heater, electrical breaker box, and other utilities are relocated above flood level. (TU = 0.2)

Sewer backup protection.

- ☐ The building is located in the SFHA. (TU = 0.2)
- ☐ The building is located outside of the SFHA and the community has a building code or other regulations that require positive drain sewers or other measures that prevent sewer backup into new buildings. (TU = 0.1)

Flood protection improvement (FPI).

Before the retrofitting project, the building was protected from the _____-year flood FPB = _____

After the retrofitting project, the building was protected from the _____-year flood FPP = _____

The values for FPB and FPP are:

- 0.0 for protection to less than the 10-year flood
- 0.3 for protection to the 10-year flood, but less than the 25-year flood
- 0.5 for protection to the 25-year flood, but less than the 50-year flood
- 0.8 for protection to the 50-year flood, but less than the 100-year flood
- 0.9 for protection to the 100-year flood
- 1.0 for protection to the 100-year plus one foot or more
- 1.0 for protection to the 500-year flood

Source of flood recurrence interval if other than FIS: _____

CRS scores: TU = _____ FPB = _____ FPP = _____

☐ This property is on the FEMA repetitive loss list.

☐ This property is on the FEMA Severe Repetitive Loss list.

I certify that the items checked above are correct to the best of my knowledge.

Name (signed): _____

Name (printed): _____ Date: _____

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